FLOW SHEET CHART OF EXTRACTION AND FRACTIONATION PROCESS

Shade dried roots of Cryptolepis buchanani (2.7 kgs) Extraction (95% ethanol, 10 litres, cold percolation ambient temperature, 16 hours, 5 repeats and filtered). Combined ethanolic percolate (49 litres) Evaporation (Reduced pressure and 45° C) Final drying (vacuum desiccator) Ethanolic extract, A001 (Example-1) & Strongly active (Table 1,2 & 3) Maceration (Hexane, 700 ml, 30 minutes, ambient temperature and filtered) Combined hexane filterate (2 litres) Evaporation (Reduced pressure and 45° C) Final drying (vacuum desiccator) Hexane fraction, F001, 11% & Less active (Table 1,2, & 3) Insolubles Maceration (chloroform, 700 ml, 30 minutes, ambient temperature and filtered) Insolubles Combined chloroform filterate (2.5 litres) Partitioning between water (1 litre) and Evaporation (Reduced pressure and 45° C) n-butanol (5 x 1 litres) and filtered Final drying (Vacuum desiccator) Chloroform fraction, F002, 14% & Less active (Table 1,2 & 3) Aqueous filterate (1 litre) Combined n-butanol filterate (5 litres) Evaporation (Reduced pressure and 45° C) Evaporation (Reduced pressure and 45°C) Final drying (Vacuum desiccator) Final drying (Vacuum desiccator)

FIG. 1

Water fraction, F004, 35% & Less active (Table 1,2 & 3)

n-butahol fraction, F003, 40% & Strongly active (Table 1,2,3).